

Safinamide

Catalog No: tcsc0556



Available Sizes

Size: 10mg

Size: 50mg



Specifications

CAS No:

133865-89-1

Formula:

$C_{17}H_{19}FN_2O_2$

Pathway:

Neuronal Signaling

Target:

Monoamine Oxidase

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

EMD 1195686;FCE 26743

Observed Molecular Weight:

302.34

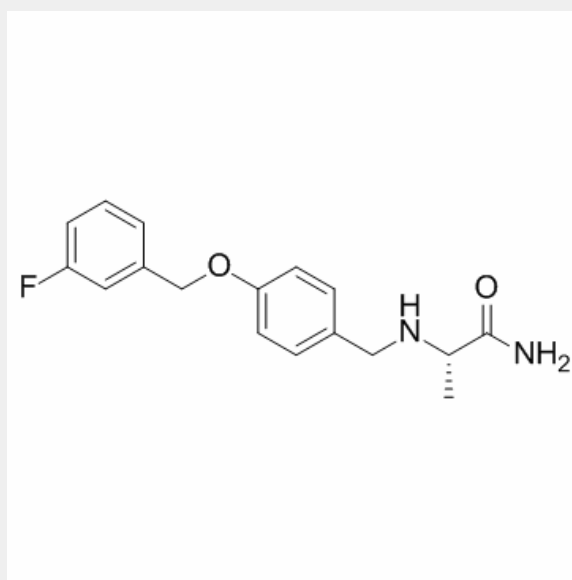
Product Description

Safinamide (EMD 1195686; FCE 26743) selectively and reversibly inhibits MAO-B with IC₅₀ of 98 nM, exhibits 5918-fold selectivity against MAO-A.

IC50 value: 98 nM [1]

Target: MAO-B

Safinamide (EMD 1195686; FCE 26743;) is a highly selective and reversible monoamine oxidase type B (MAO-B) inhibitor that increases neostriatal dopamine concentration. In addition, Safinamide (EMD 1195686; FCE 26743;) is voltage-dependent sodium and calcium channel blocker. Safinamide (EMD 1195686; FCE 26743;) appears to bind to the batrachotoxin-sensitive site 2 of the voltage-sensitive sodium channels. Safinamide blocks N and L-type calcium channels and inhibits glutamate and aspartate release from synaptic terminals.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!